

Figure 1

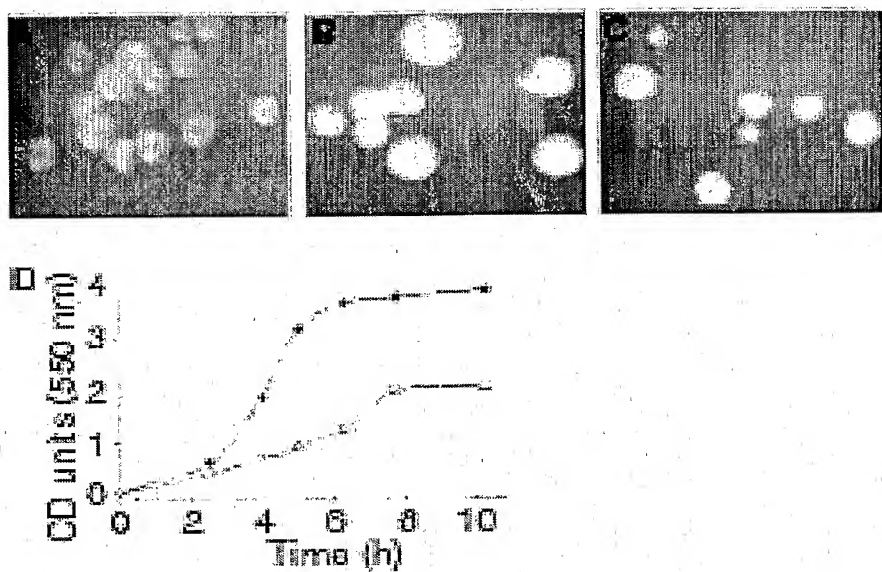


Figure 2

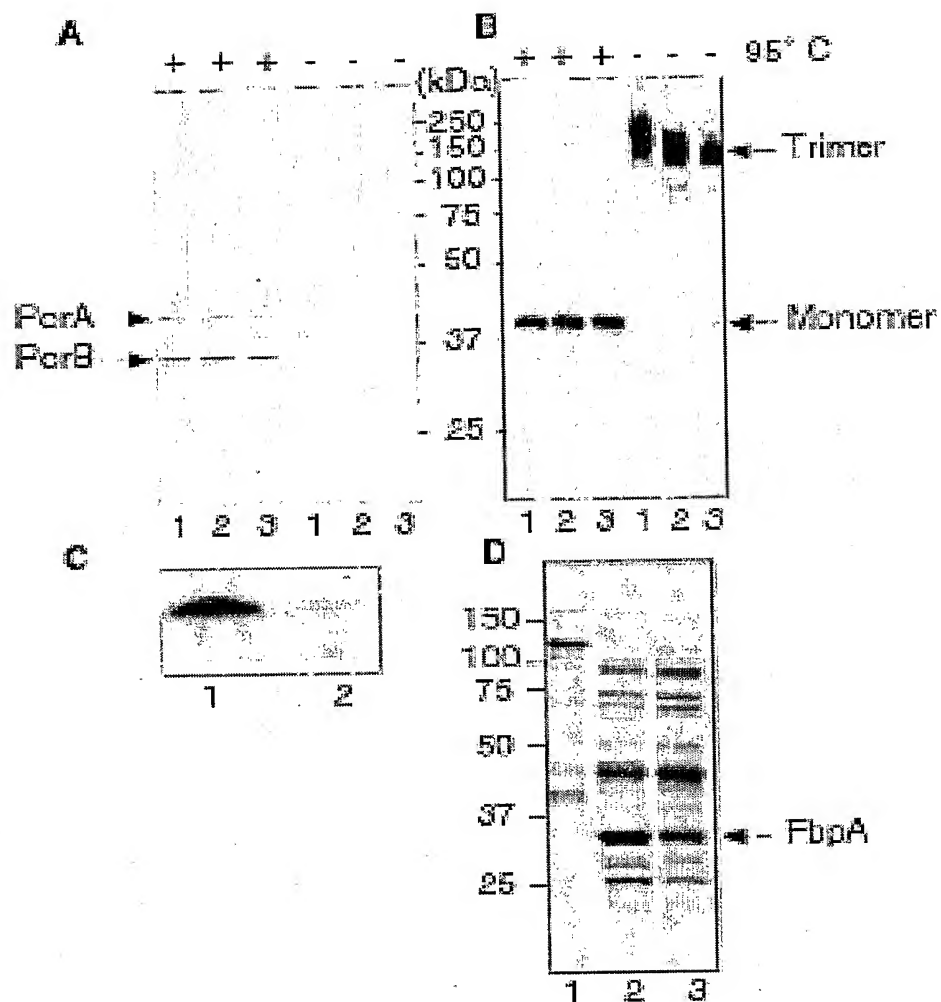


Figure 3

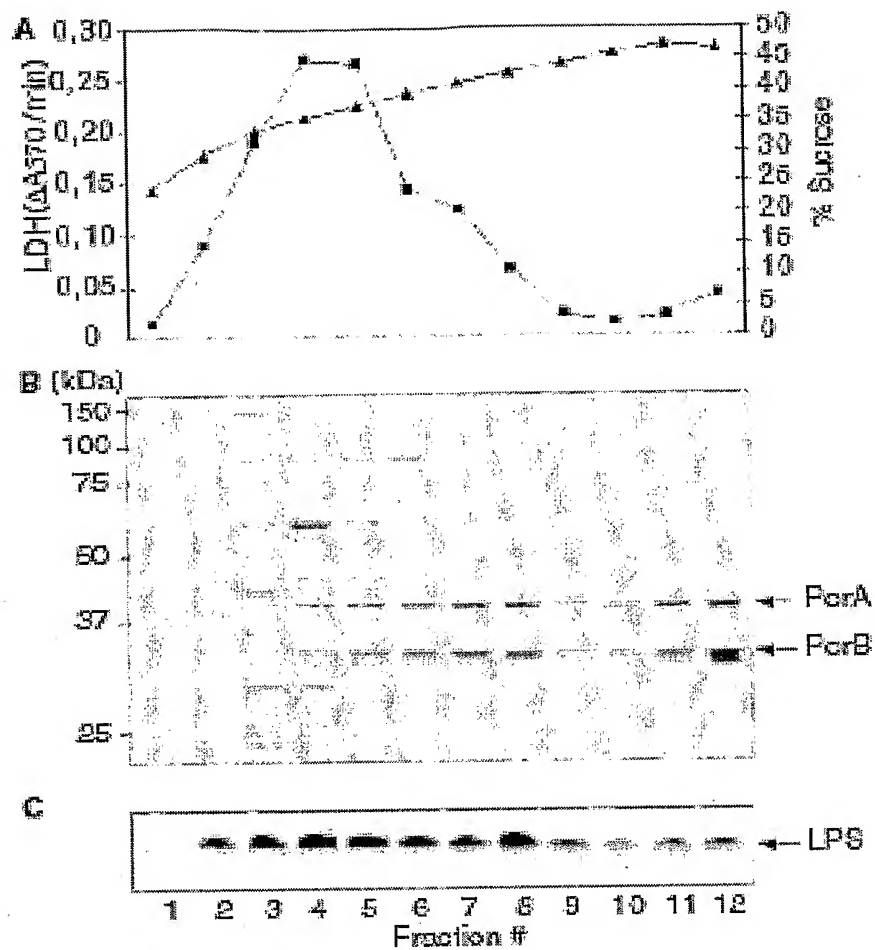


Figure 4

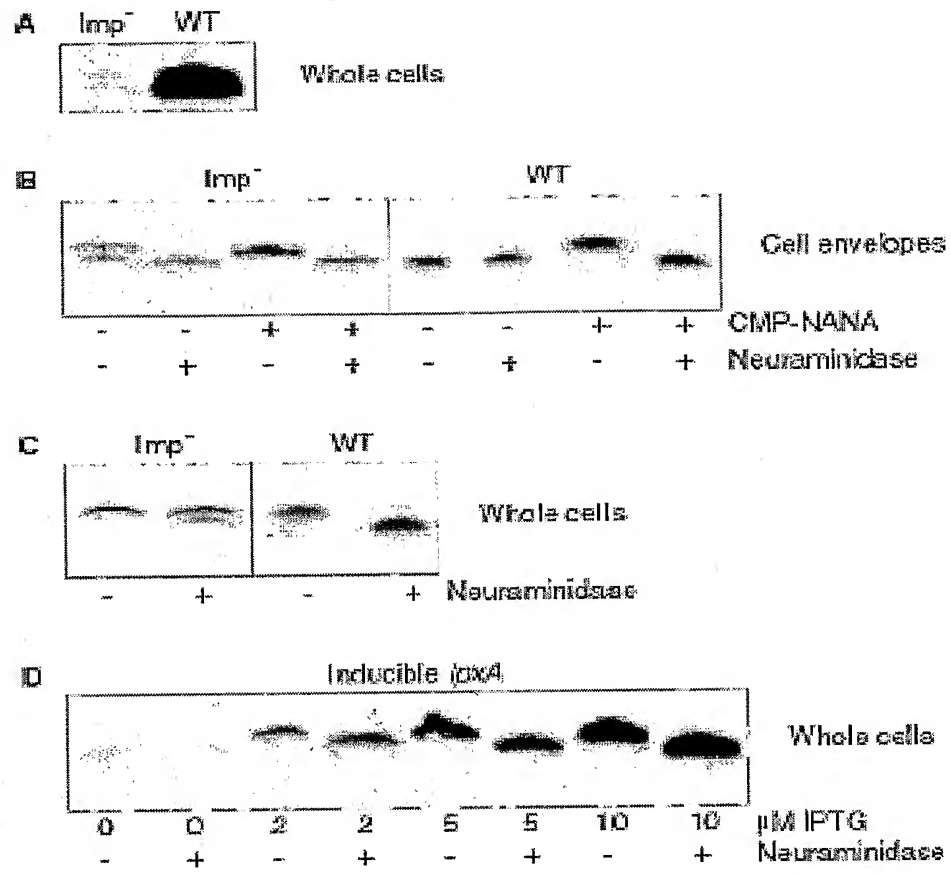


Figure 5

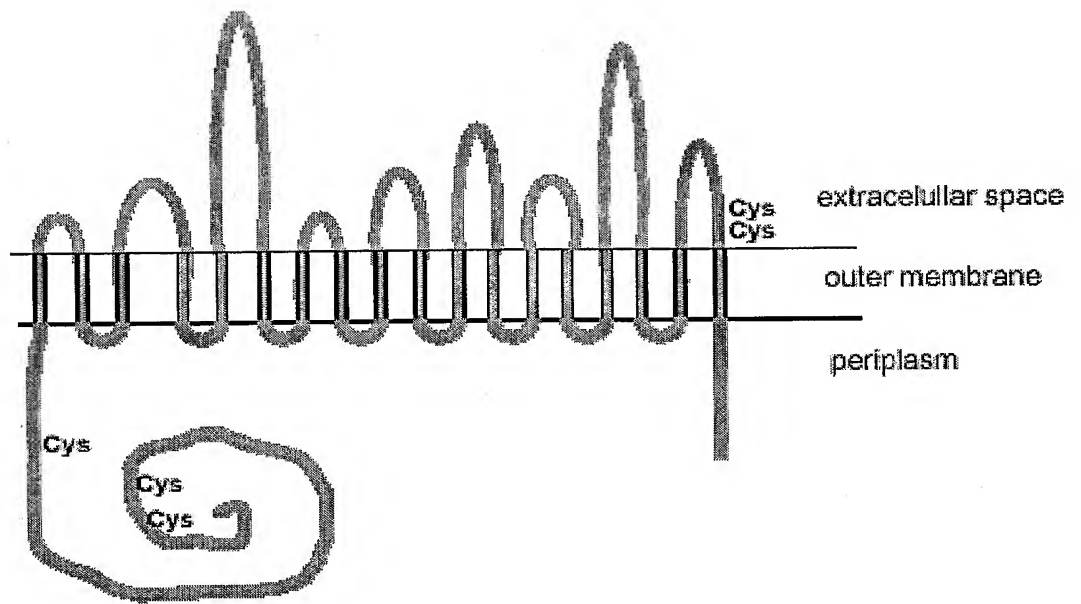


Figure 6

Imp/OstA - SEQ ID No 1

Predicted extracellular loops are indicated in bold

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LARLFSLKPLVLALGLCFGTHCAAADAVAAEETDNPTAGESVRSVSEPIQPTSLSLGSTC 60
LFCSNESGSPERTEAAVQGSGEASIPEDYTRIVADRMEGQSQVQVRAEGNVVVERNRTTL 120
NTDWADYDQSGDTVTAGDRFALQQDGTILIRGETLTYNLEQQTGEAHNVRMEIEQGRRRLQ 180
SVSRTAEMLGEGHYKLTETQFNTCSAGDAGWYVKAASVEADREKGIGVAKHAAFVFGGVP 240
IFYTPWADFPLDGNRKSGLLVPSLSAGSDGVSLSVPPYFNLAPNLDAFAPSVIGERGAV 300
FDGQVRYLRPDYAGQSDLTWLPHDKKSGRNNRYQAKWQHRHDISDTLQAGVDFNQVSDSG 360
YYRDFYGNKEIAGNVNLNRRVWLDYGGRAAGGSLNAGLSVLKYQTLANQSGYKDKPYALM 420
PRLSVEWRKNTGRAQIGVSAQFTRFSHDSRQDGSRLVVYPDIKWDFSNSWGYVRPKLGLH 480
ATYYSLNRFGSQEARRVSRTLPIVNIDSGATFERNTRMFGGEVLQTLEPRLFYNYIPAKS 540
QNDLPNFDSSSESSFGYGQLFRENLYYGNDRITANSLSAAVQSRILDGATGEERFRAGIG 600
QKFYFKDDAVMLDGSVGKKPRNRSDWVAFASGSIGSRFILDSSIHYNQNDKRAENYAVGA 660
SYRPAQGGKVLNARYKYGRNEKIYLKSDGSYFYDKLSQLDLSAQWPLTRNLSAVVRYNYGF 720
EAKKPIEVLAGAEYKSSCGCWGAGVYAQRYVTGENTYKNAVFFSLQLKDLSSVGRNPADR 780
MDVAVPGYITAHSLSAGRNRKP 802

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loop 1: 252-271

loop 2: 295-332

loop 3: 357-416

loop 4: 444-455

loop 5: 482-501

loop 6: 537-576

loop 7: 606-624

loop 8: 648-697

loop 9: 721-740

Figure 7

Figure 8

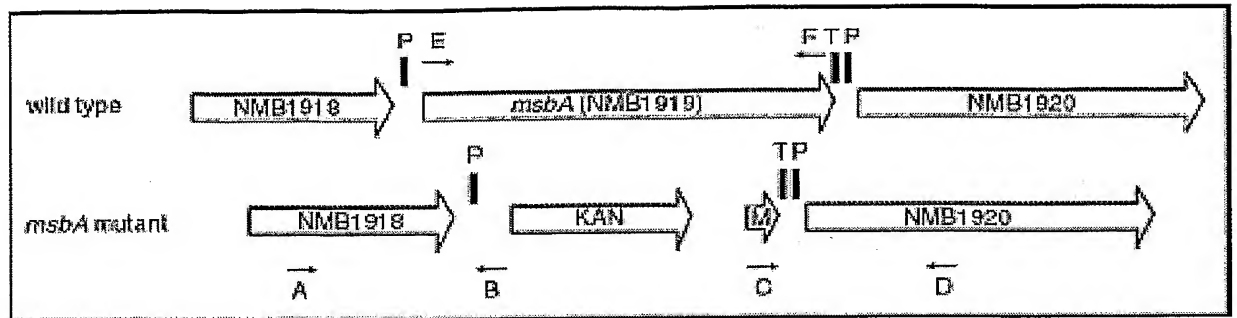


Figure 9

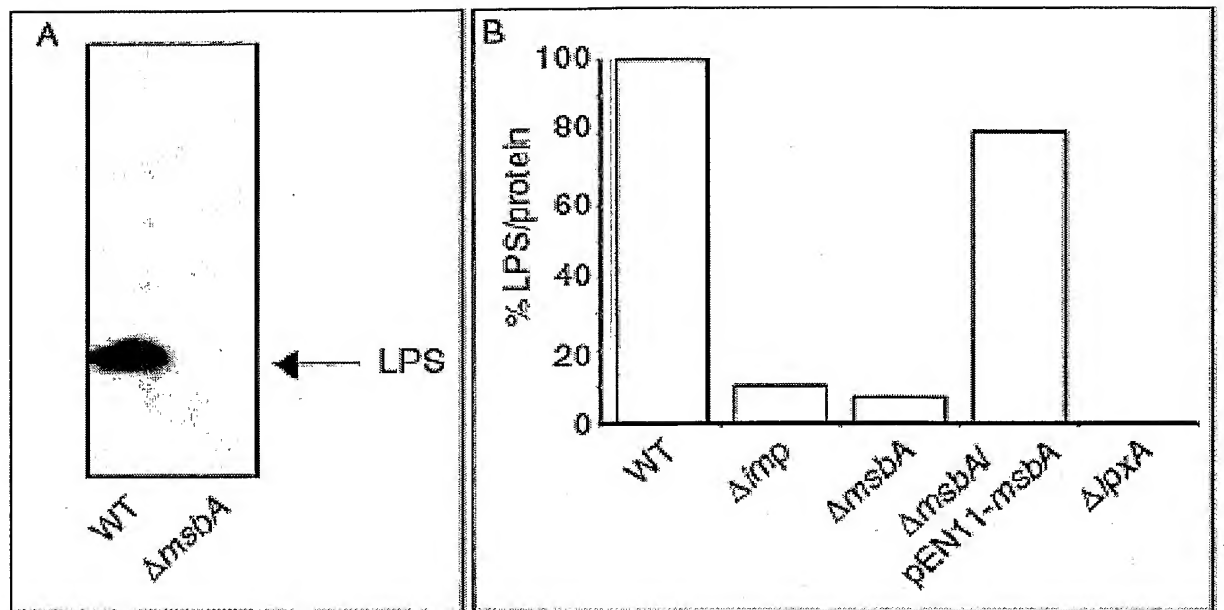


Figure 10

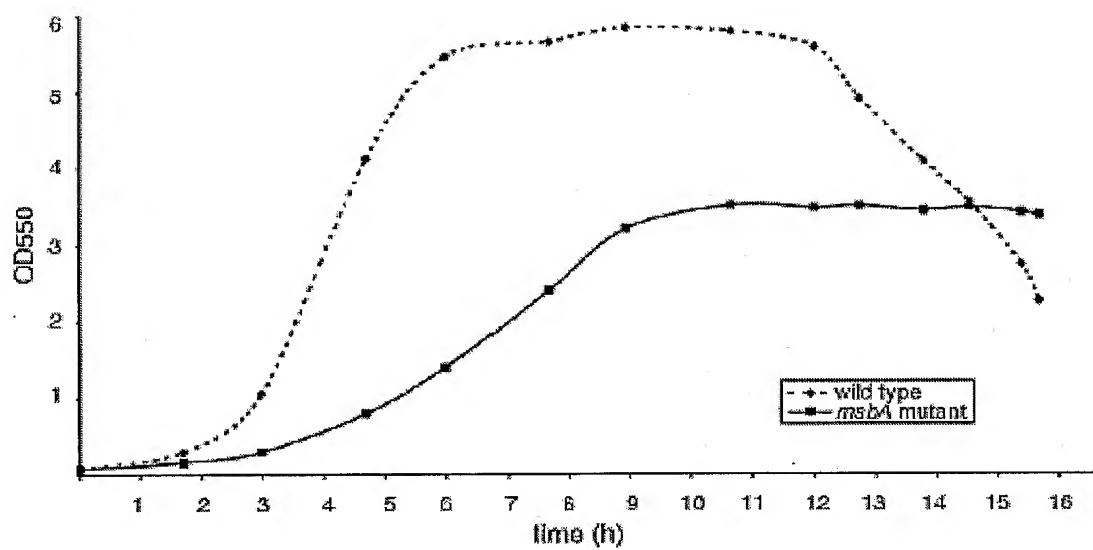


Figure 11

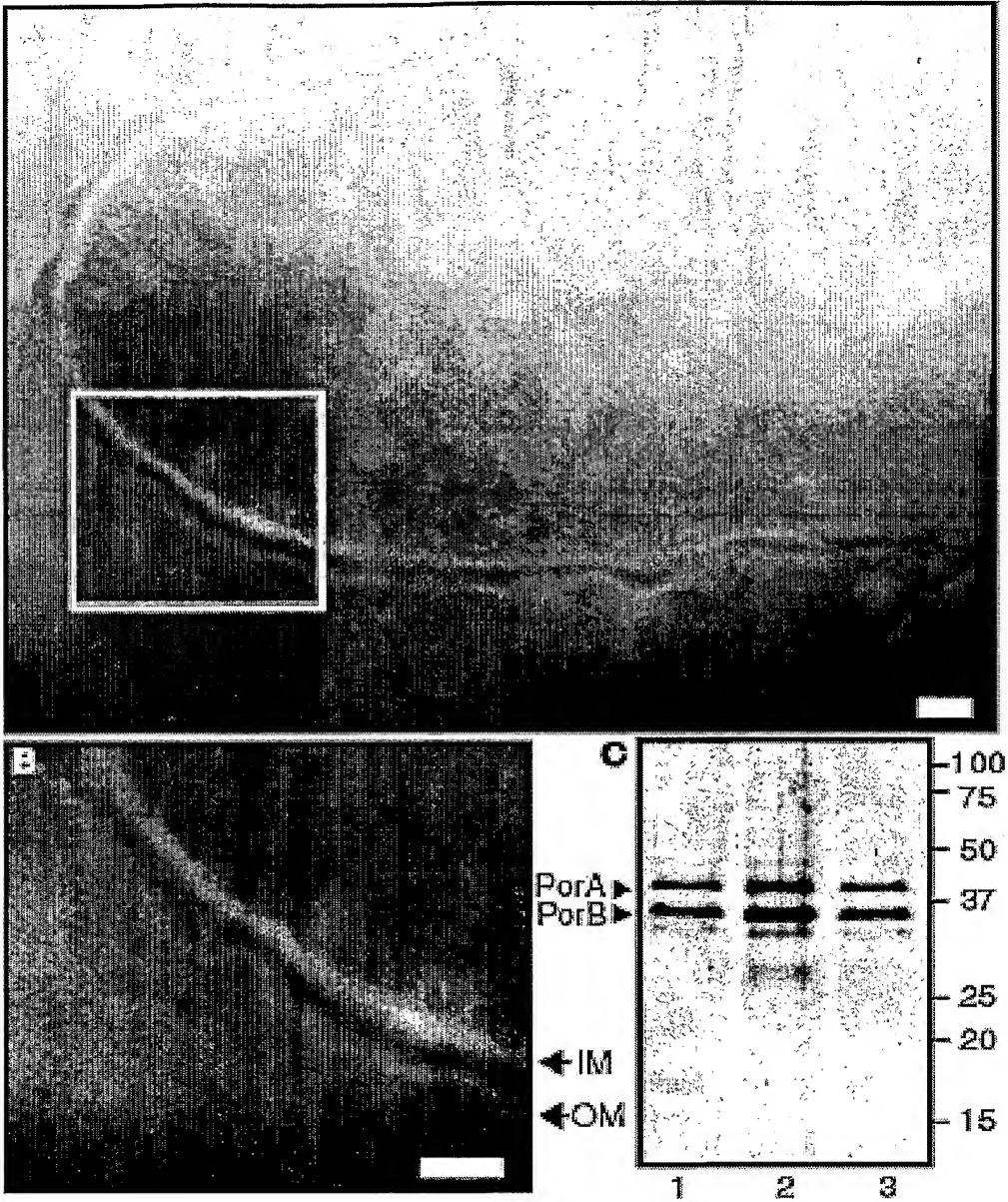


Figure 12

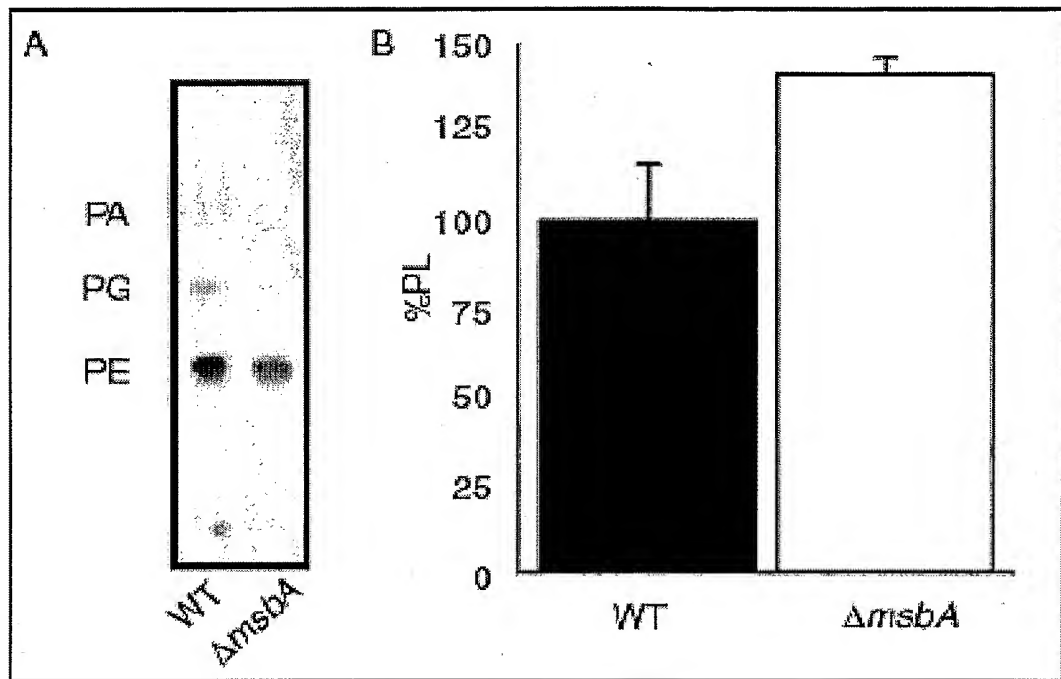


Figure 13

A

MIEKLTFGLFKKEDARSFMRMLMAYVRPYKIRIVAALIAIFGVAATESYLAAFIAPLINHG
 FSAPAAPPELSAAAGIISTLQNWREQFTYMWVGTEENKIWTVPLFLIILVVIRGICRFTST
 YLMTWVSVMTISKIRKDMFAKMLTLSSRYHQETPSGTVLMNMLNLTEQSVSNASDIFTVL
 TRDTMIVTGLTIVLLYLNWQLSLIVVLMFPLLSLLSRYRDRDLKHVISDSQKSIGTMNNV
 IAETHQGHRVVKLFNGQAQAANRFDVAVNRTIVRLSKKITQATAAHSPFSELIASIALAVV
 IFIALWQSQNGYTTIGEFMAFIVAMLQMYAPIKSLANISIPMQTMFLAADGVCAFLDTPP
 EQDKGTLAPQORVEGRISFRNVDVEYRSDGIKALDNFNLDIRQGERVALVGRSGSGKSTVV
 NLLPRFVEPSAGNICIDGIDIADIKLDCLRAQFALVSQDVFLFDDTLFENVRYSRPDAGE
 AEVLFAALQTANLQSLIDSSPLGLHQPIGNSGNSLSCGQQRQVARIARAILKDAPILLLDEA
 TSALDNESERLVQQALERLMENRTGIIVAHRLTTIEGADRIIVMDDGKIIIEQGTHEQLMS
 QNGYYTMLRNISNKDAAVRTA

B

MLAWRPGRPDGCQAAGGRRYNPGHDCIKASVSLNSAARNAPAGSQPVKAELWKRVSRSVGSYWKGLVLA
 VLLMAGAAATQ
 PTLAVIMKPLDDGFGSAGKPHYVWFLPLAVVGLILLRGICNFFSDYLLAWVANNVLRGIRGEMFERLLG
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 GRLLNRFTIDAGNVGTGYATDVITVLVRETLVVIALIGVLLYMSWALTLLIILVMLPVSVGIARAFTRRLR
 RINRETVNMNA
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 LSQANSALTV
 GSFASFMAALAQIFDPIKRLTNLAGKMQKMLVAAESVFTLVDTPEADAGTRALPEPVGRGKVEFRAVSH
 RFPDADRDTVS
 AVSFLVEPGQTVALVGRSGSGKTTLVNMLPRFVLPDGGDILFDDVPIQDLTLRSLRSHLSLVSQDVVLF
 DDTIAANVGYG
 AGGTVDARVRDALAAANLLEFVDGLPLGIHTPVGQNAARLSGGQQRQLAIARALIKNAPVLILDEATS
 ALDNESERQVQ
 ASLERLMRGRTTLVIAHRLSTVQNADRIIVLDAGKIVEHGPHSELLAANGLYASLYNMQFRED

Figure 14

[illegible]

Figure 15 A

atgctggcggtggcgccggggtcgccggacggttgtcaggcggggggtggccgacggtacaatcccggg
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Figure 15 B